

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Tetsufumi TSUZAKI, et al.

Serial No.: 09/667,576

Filed: September 22, 2000

For: OPTICAL AMPLIFIER AND OPTICAL AMPLIFICATION METHOD

Group Art Unit: 3663

Examiner: S. Cunningham

THE COMMISSIONER FOR PATENTS AND TRADEMARKS  
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

- ☒ No additional fee is required.  
☐ Applicant is entitled to small entity status under 37 CFR 1.27  
☐ Also attached:

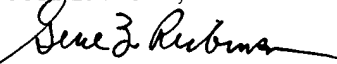
The fee has been calculated as shown below:

|                                 | NO. OF<br>CLAIMS | HIGHEST<br>PREVIOUSLY<br>PAID FOR | EXTRA<br>CLAIMS | RATE      | FEE    |
|---------------------------------|------------------|-----------------------------------|-----------------|-----------|--------|
| Total Claims                    | 31               | 31                                | 0               | \$18.00 = | \$0.00 |
| Independent Claims              | 4                | 4                                 | 0               | \$84.00 = | \$0.00 |
| Multiple claims newly presented |                  |                                   |                 |           | \$0.00 |
| Fee for extension of time       |                  |                                   |                 |           | \$0.00 |
| Total of Above Calculations     |                  |                                   |                 |           | \$0.00 |

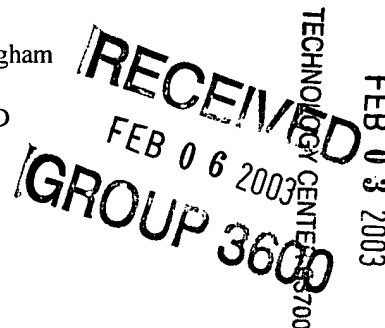
- ☐ Please charge my Deposit Account No. 500417 in the amount of \$0.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL &amp; EMERY

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Docket No.: 50212-132

PATENT

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AMENDMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

The following amendment and remarks are submitted in response to the Office  
Action dated October 28, 2002.

IN THE CLAIMS

Please amend claims 1, 14, 29 and 31.

1. An optical amplifier for amplifying, at once, multiplexed signal light  
belonging to a predetermined wavelength band, in which a plurality of signal light  
components having different wavelengths are multiplexed, comprising:

one or a plurality of optical amplification sections each of which has an optical  
waveguide doped with a fluorescent material and amplifies the multiplexed signal light  
by optical pumping of the fluorescent material;

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